

Hope Iron and Metal Salvage, Hope, AR



Hope Iron and Metal-EPA Removal Assessment

- 98 samples over a 2 acre lot
- Heavy Metals (Pb), PAHs and PCB's found above Regional Screening Levels (cancer risk)
- EPA Toxicologist and ATSDR reviewed data and determined that there was an exposure risk to the contaminants in the soil(primarily Pb and PCBs)
- Exposure is from ingestion, inhalation and dermal contact
- A family with a child, live on property and the site is surrounded on 3 sides by residential homes
- Cleanup levels created using ATSDR and EPA cancer risk numbers

Hope Iron & Metal –EPA Removal Assessment

Geo-probe for composite samples

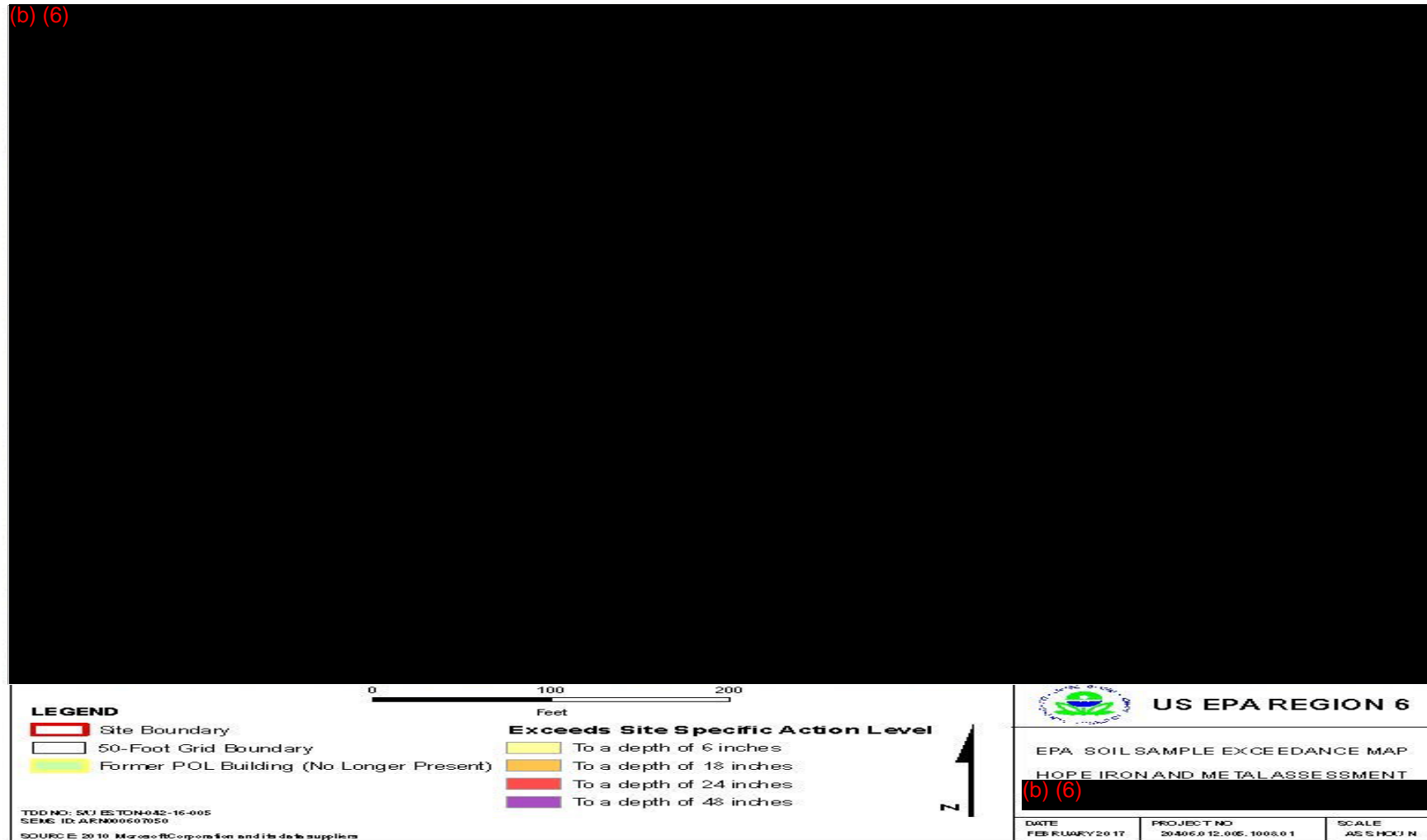


Composite sample packaging



Exceedance Map per grid (Cleanup Plan)

(b) (6)



Assessment Results vs Cleanup Levels

Assessment Result Highest

- Antimony up to 238 mg/kg
- Cadmium up to 71.8 mg/kg
- Lead up to 7,790 mg/kg
- PCB: Total up to 1640 mg/kg

Clean-up Level

- Antimony less than 23 mg/kg
- Cadmium less than 5.7 mg/kg
- Lead less than 400 mg/kg
- PCB less than 1 ppm totals, stop at 2 ft, put restrictions in place

Enforcement

- PRPs Identified
 - Four Power Companies that operate in area
 - Three property owners
- Information Request Letters ready for Power Companies
 - Hope Water & Light (local, to City area only)
 - Southwest Electric Power Company (SWEPCO), (rural, county coverage)
 - Southwest Arkansas Electric Cooperative Corporation (rural, county coverage)
 - Entergy (most of Arkansas, regional coverage)
- Next Steps
 - Permission to send out 104e Information Request Letters
 - Permission to send out General Notice Letters

Clean-up Recommendations

In order to eliminate the immediate threat to the public and to the environment, it is necessary to conduct removal of contaminated soils using agreed upon cleanup levels between EPA and ATSDR. Soil removal operations will not go deeper than 2 feet below ground surface. Approximately 6,947 tons of soil will be removed.

Extramural Cost (ERRS+ START+ CONTIGENCY)= \$1,503,540